

**CLAIMS**

**What is claimed is:**

1. A thick film composition comprising:
  - 5 a) functional component;
  - b) PVDF/HFP polymer resin, a copolymer of PVDF/HFP polymer resin, or mixtures thereof; dissolved in
  - c) organic solvent.
- with the provisos that the PVDF/HFP resin has i) a melt viscosity of 0.2-  
10 0.7 kPoise and ii) a DSC melt temperature in the range of 85-98°C.
2. The composition of Claim 1 wherein said functional component is selected from silver, carbon, graphite or mixtures thereof.
- 15 3. The composition of Claim 1 wherein said functional component is selected from phosphor, phosphor-containing particles, or mixtures thereof.
4. The composition of Claim 1 wherein said functional  
20 component is selected from BaTiO<sub>3</sub>, TiO<sub>2</sub>, or mixtures thereof.
5. The composition of Claim 1 wherein the PVDF/HFP resin contains 12-16 mole% of hexafluoropropylene (HFP) in the total resin composition.
- 25 6. The composition of Claim 1 further comprising an adhesion promoter.
7. The composition of Claim 1 further comprising a flow  
30 additive.
8. The composition of Claim 1 wherein the organic solvent is selected from the group comprising carbitol acetate.

9. The use of the composition of any one of Claims 1-8 in the formation of an electroluminescent panel.

5 10. A method of forming an electroluminescent panel comprising:

10 (a) providing a substrate;

(b) depositing at least one layer of a phosphor-containing thick film composition onto said substrate;

(c) depositing at least one layer of a dielectric thick film composition onto the layer of (b); and

(d) depositing at least one layer of a conductive thick film composition onto the layer of (c);

wherein at least one layer of (b), (c) or (d) contains a PVDF/HFP polymer resin, copolymer of a PVDF/HFP polymer resin, or

15 mixtures thereof which has i) a melt viscosity of 0.2-0.7 kPoise and ii) a DSC melt temperature in the range of 85-98°C.

11. An electroluminescent panel utilizing the composition of any one of Claims 1-9.

20 12. The electroluminescent panel formed by the method of Claim 10.